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Ser 1811RC/00713  
24 MAY 1991

From: Commander, Western Division, Naval Facilities Engineering Command  
To: Distribution

Subject: PRIMARY PHASE TRENCHING ACTIVITIES, OPERABLE UNIT I SITES  
NAVAL STATION TREASURE ISLAND, HUNTERS POINT ANNEX

Encl: (1) Revised Plan for Primary Phase Trenching Activities for OU I sites

1. In accordance with the Federal Facility Agreement for Naval Station, Treasure Island, Hunters Point Annex, enclosure (1) is forwarded for review and comment. The basis for the recommended change is provided by the enclosed letter and was presented at the Technical Review Committee (TRC) Meeting of 22 May 1991. In order to maintain the schedule for trenching activities, it was agreed at the TRC that the comments will be provided prior to 31 May 1991.
2. Should you have any questions regarding this matter, the point of contact is Commander, Western Division, Naval Facilities Engineering Command (Attn: Louise Lew, Code 1811, (415) 244-2551.)
3. Submit written comments, if any, to Mr. Eddie Sarmiento, Commanding Officer, Naval Station, Treasure Island, Building I (Code 84), San Francisco, CA, 94130, with a copy to Western Division, Naval Facilities Engineering Command (Attn: Louise T. Lew, Code 1811, 900 Commodore Drive, San Bruno, CA 94130).
4. By copy of this letter, the document is also being provided to other concerned regulatory agencies.

Original signed by:

MICHAEL A. MIGUEL  
By direction

Distribution:

- ✓ U.S. Environmental Protection Agency (Attn: Chuck Flippo)
- California Department of Health Services (Attn: Bill Brown)

Copy to:

- Regional Water Quality Control Board (Attn: Steve Ritchie)
- Bay Area Air Quality Management District (Attn: Scott Lutz)
- California Dept. of Fish & Game (Attn: Mike Rugg)
- U.S. Fish & Wildlife Service (Attn: Steve Schwarzback)
- National Oceanic & Atmospheric Administration (Attn: Chip Demarest)
- Hunters Point Technical Review Committee Public Member (Attn: Rev. Arelious Walker)
- City and County of San Francisco (Attn: David Wells)
- San Francisco District Attorney (Attn: Steve Castleman)
- Bay Conservation and Development Commission (Attn.: Nancy Wakeman)
- U.S. Dept. of the Interior (Attn: Bill Allen)

Blind copy to: (w/o encl) 09B, 09CPB, 09A2A.43, 24  
1811, 1811RP, 1811JC, 1811RC  
Harding Lawson Associates (Attn: Ashook Verma)  
PRC (Attn: Gary Welshans)

(w/encl) Admin. Record  
COMNAVBASE S.F.  
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NAVSTA Treasure Island  
COMNAVSEASYSOM (Attn: Robert Milner)

Writer: R. Chiang, Code 1811RC, x2554  
Typist: B. Palmer, 24 May 1991, Trench Ltr  
File: HP/DOHS



May 23, 1991

18639,126.02

Western Division (WESTDIV) Naval Facilities  
Engineering Command  
P.O. Box 727, Code 1811  
San Bruno, California 94066

Attention: Mr. Ray Chiang

Gentlemen:

**Primary Phase Trenching Activities,  
Operable Unit I Sites  
Hunters Point Annex  
San Francisco, California**

This letter presents a revised plan for Primary Phase trenching activities for Operable Unit I (OUI) sites, Hunters Point Annex, San Francisco, California. The revised plan is based on primary data collected during Primary Phase IIA, field activities at OUI sites. The revised trenching plan is intended to meet the objectives of trenching in a timely and efficient manner.

Trenching activities were originally proposed in the *Work Plan, Volume 2A, Sampling Plan for Group I Sites, Remedial Investigation/Feasibility Study (HLA, 1988)* to define the extent of fill and waste materials including landfill refuse, sandblast waste, and the former oil reclamation ponds as well as to characterize the various types of waste materials. Trench locations proposed in the Group I Sampling Plan were approximate and based on data available in 1988. These original proposed trench locations are shown on Plate 1. Data collected to date indicates that the general locations of trenches originally planned for Sites IR-01 and IR-03 will meet the intended objectives. Therefore, significant modification of the trench locations in these areas is not required. However, modification of the locations of trenches planned for IR-02 is required.

As agreed to in the Technical Review Committee meeting on May 22, 1991, Harding Lawson Associates (HLA) will proceed with trenching activities that do not significantly deviate from the trenching proposed in the Group I Sampling Plan. Trenching activities that deviate from the Group I Sampling Plan will proceed upon U. S. Environmental Protection Agency (EPA) and Department of Health Services (DHS) concurrence with proposed trench locations. The EPA and DHS agreed to provide comments on proposed trenching locations prior to May 31, 1991, so that trenching activities can proceed as scheduled.

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Proposed modifications to trenching activities at IR-02 are based on a review of the following information:

- o Soil boring logs and analytical results
- o Test pit logs from Reconnaissance Phase Field Activities
- o Mapping of surficial deposits
- o Work Plan, Volume 2A, Sampling Plan for Group 1 Sites, Remedial Investigation/Feasibility Study (*HLA, 1988*)
- o Reconnaissance Activities Report, Remedial Investigation/Feasibility Studies (*HLA, 1990*)
- o Initial Assessment Study (*WESTEC, 1984*)
- o Work Plan for Field Treatment Demonstration and Removal of Metal-Contaminated Sandblasting Grit (*Battelle, 1989*)

The following changes in the locations of proposed trenching locations at Site IR-02 are proposed:

- o Triple A Sites 2 and 14: Excavate trenches in 5 areas (TA [Trenching Area]-13 through TA-17) to characterize and define the extent of the fill and/or waste materials. Elevated concentrations of metals, volatiles, and PCBs were detected in soil samples from borings in this area.
- o Suspected oil spill: Excavate trenches in 4 areas (TA-19 through TA-22) to investigate any visible evidence of oil staining near the ground surface. Elevated concentrations of PCBs were detected at nearby Boring AE4-12.
- o Triple A Site 18: Excavate trenches in 8 areas (TA-23 through TA-30) to evaluate the extent of fill materials and to provide correlation with previous geophysical surveys.
- o Triple A Site 19: No trenches are recommended in this area based on the lack of observed contamination during Primary Phase field activities.
- o Sandblast Materials: Excavate trenches in 16 areas (TA-9 through TA-14 and TA-32 through TA-41) to evaluate the presence and extent of sandblast materials. Trenches originally proposed along the northeast boundary of IR-02 were intended to define the extent of sandblast materials. Surficial mapping and soil boring data indicates that sandblast materials are not present in certain

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areas along this boundary, therefore, trenching is not recommended in these areas.

- o Burn Disposal Area: Excavate trenches in 5 areas (TA-42 through TA-46) in southern portion of this area where rubble and blackened wood fragments were observed.

Please note that although the number of trenches may be different than the number originally proposed in the Group I Sampling Plan, the total lineal footage of trenches is approximately equivalent to the originally proposed footage.

HLA began Primary Phase trenching activities at OUI sites on May 13, 1991 and anticipates that trenching activities will continue for at least 4 weeks. Trenching activities began at the Former Oil Reclamation Ponds, IR-03, and will be followed by trenching at the Industrial Landfill, IR-01, and the Bayfill Area, IR-02.

HLA will continue to evaluate recommended trench locations as trenching proceeds and more data are collected so that the objectives of trenching activities are achieved. Please call either of the undersigned at (415) 892-0821, if you have questions or comments.

Yours very truly,

HARDING LAWSON ASSOCIATES



William W. Mast  
Project Engineer



Grant L. Ohland  
Senior Hydrogeologist

WWM/GLO/dvl17886-PRC

File No. 126/1

Attachment: Plate 1 - Recommended Trench Locations

cc: Emir Utush, PRC  
Ashok K. Verma, HLA



Harding Lawson Associates  
Engineering and  
Environmental Services

DRAWN  
CEG

JOB NUMBER  
18639,136.02

Recommended Trench Locations  
Operable Unit 1 Sites  
Hunters Point Annex  
San Francisco, California

APPROVED

DATE  
5/91

REVISED DATE

PLATE

1